Abstract of the Disclosure

The present invention relates to an insulation structure for the internal insulation of a vehicle. The insulation structure will contribute to ensuring the fire protection for interior regions of the vehicle from a (conceivable) fire incursion from outside the vehicle environment, so that evacuation of the passengers from the vehicle is made significantly easier. Intended modifications to a typical insulation package will implement an elevation of the fire protection safety for separated interior regions lying proximal to a structure external skin.

The insulation structure for the internal insulation of a vehicle comprises an insulation package, which is implemented using an insulation, and a film, which is positioned inside an intermediate space that includes internal paneling and an external skin of the vehicle. The insulation package is implemented homogeneously using a first insulation, whose insulation material is burn-through safe. Otherwise, the insulation package is constructed using distinct insulation regions, which are implemented using the first insulation and a second insulation, whose insulation material is burn-through unsafe. These insulation regions are positioned along a finite series and laid next to one another up to a terminating insulation region, whose insulation material is exchanged in alternating sequence. Otherwise, the insulation package is implemented homogeneously using a second insulation, whose insulation material is burn-through unsafe (fire endangered, flammable), multiple burn-through safe barrier layers being integrated in the second insulation.
(Fig. 1)